

## Air Separator Level and Refills of Coolant

- 1 Coolant level decreases noticeably: leak in pressurized part of cooling lines
  - a) Rule of thumb: 1 inch corresponds to 2.0-2.5 gallons of coolant
  - b) Need access as soon as possible to look for leaks (coordinate with Ops)
- 2 Small loss of coolant over time, has to be topped off once in a while:
  - a) Check for iFix warning on low air separator level (SVX\_LT\_AIRSEP, ISL\_LT\_AIRSEP)
  - b) Coordinate refill with Silicon Main Pager Carrier (slight risk of tripping cooling when warm coolant is added), not during data-taking
- 3 Details on coolant:
  - a) SVX: 70% distilled water, 30% ethylene glycol, freezing point: approx. -14°C
  - b) ISL: 99.9% distilled water, .1% ethylene glycol, freezing point: approx. 0°C
    - i) Note: add only distilled water to ISL. **NO ETHYLENE GLYCOL!**
  - c) Supplier of distilled water: Kline's Quality Water
- 4 Coolant to be added via the extended lines attached to MV-2209-W on either SVX or ISL air separators. Since the air separators are sub-atmospheric the coolant can be drawn in from the container using a polyflo tube attached to this valve.

Coordinate with the Silicon SPLs